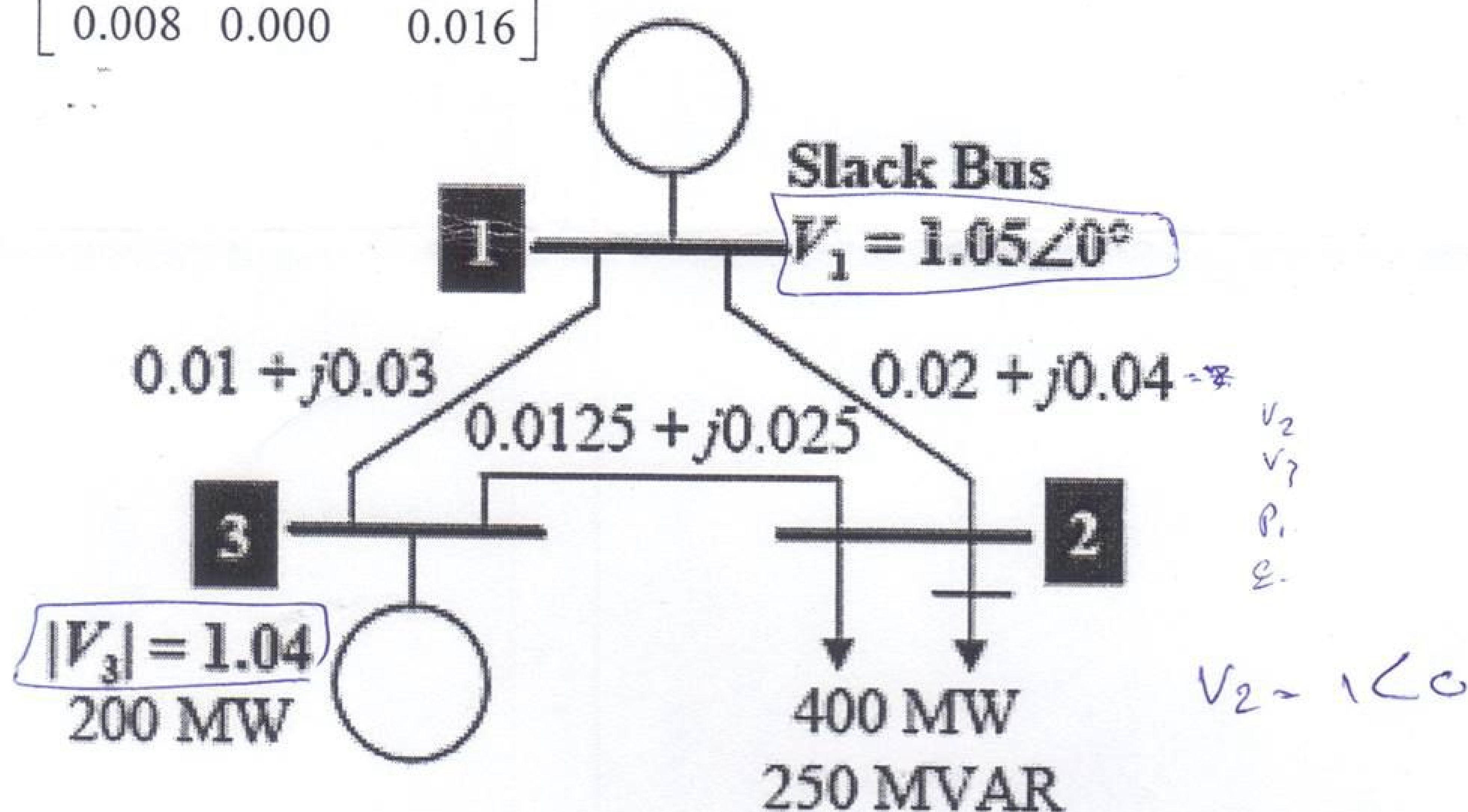
بسم الله الرحمن الرحيم

Specialization	Electrical Engineering		السلطة الوطنية الفلسطينية
Course Name :	Power System II		وزارة التربية والتعليم العالي MINISTRY OF EDUCATION & HIGHER EDUCATION
Date :	02 \12\2012		جامعة فلسطين التقنية طولكرم "خضوري"
Time :	50 min		First Exam 2011\2012 First Semester

Name : ---------------------------[redacted]------ Section :-----------------------------------

1. **Using the Newton-Raphson method to find the power flow solution**

If the $J^{-1} = \begin{bmatrix} 0.023 & 0.013 & -0.007 \\ 0.014 & 0.022 & 0.000 \\ 0.008 & 0.000 & 0.016 \end{bmatrix}$



(14 pts)

2. **Mention the methods, which can be used to correct the power factor and decrease the voltage drop into the system, with explaining?**

(6 pts)

GOOD LUCK

Ins.
Dr. Samer Alsadi